



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Thomas H. Barrows et al.  
Serial No. : 09/185,732  
Filed : November 4, 1998  
Title : ADHESIVE SEALANT COMPOSITION

Art Unit : 1653  
Examiner : J. Russel

**BOX AF**  
Commissioner for Patents  
Washington, D.C. 20231

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RESPONSE

In response to the action mailed October 24, 2001, please amend the application as follows:

In the claims:

Please cancel claims 18-162 and 300-440 without prejudice.

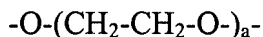
Please amend claims 1, 15, and 17 as follows:

1. (Amended) An adhesive composition consisting essentially of

- i) a first aqueous mixture of about 20-60 wt/vol % serum albumin in about 0.01-0.25 molar buffer at a pH in a range of about 8.0-11.0,
- ii) a second aqueous mixture of about 50-800 mg/ml of a crosslinking agent having a molecular weight in a range of about 1,000-15,000, wherein the crosslinking agent is of the formula



wherein -PEG- is a diradical fragment represented by the formula



where a is an integer from 20-300;

wherein -LM- is a diradical fragment selected from the group consisting of a carbonate

diradical of the formula  $[\text{,}] - \text{C}(\text{O}) -$ , a monoester diradical of the formula  $[\text{,}] - (\text{CH}_2)_b \text{C}(\text{O}) -$  where b is an integer from 1-5, a diester diradical of the formula  $[\text{,}] - \text{C}(\text{O}) - (\text{CH}_2)_c - \text{C}(\text{O}) -$  where c is an integer from 2-10 and where the aliphatic portion of the diradical may be saturated or unsaturated, a dicarbonate diradical of the formula  $-\text{C}(\text{O}) - \text{O} - (\text{CH}_2)_d - \text{O} - \text{C}(\text{O}) -$  where d is an integer from 2-10, and an oligomeric diradical represented by the formulas  $-\text{R} - \text{C}(\text{O}) -$ ,  $-\text{R} - \text{C}(\text{O}) - (\text{CH}_2)_c - \text{C}(\text{O}) -$ , or  $-\text{R} - \text{C}(\text{O}) - \text{O} - (\text{CH}_2)_d - \text{O} - \text{C}(\text{O}) -$  where c is an integer from 2-10, d is an

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